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08444798 GAU: 1646

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Brockhaus et al.

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GROUP

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
g	A1	5,116,964	5/26/92	Capon et al.		
g	A2	4,948,875	8/14/90	Tanaka et al.		
g	A3	4,816,567	3/28/89	Cabilly et al.		
g	A4	4,770,995	9/13/88	Rubin et al.		

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
g	B1	325 224	7/28/89	Europe			
a	B2	2218101	11/8/89	Great Britain			
g	B3	9013575	11/15/90	PCT			
g	B4	393 438	4/6/90	Europe			
g	B5	308 378	3/22/89	Europe			

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

g	C1	Gen Seq DBase Printout. No date available
a	C2	Stauber et al., "Human tumor necrosis factor- α receptor - purification by immunoaffinity chromatography and initial characterization", J. Bio. Chem. 263:19098-19104 (1988)
g	C3	Seckinger et al., "Purification and biologic characterization of a specific tumor necrosis factor α inhibitor", J. Bio. Chem. 264:11966-11973 (1989)

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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
<i>[Handwritten mark]</i>	B6	398 327	11/22/90	Europe				
<i>[Handwritten mark]</i>	B7	422 339	4/17/91	Europe				
<i>[Handwritten mark]</i>	B8	412 486	2/13/91	Europe				
<i>[Handwritten mark]</i>	B9	91/03553	3/21/91	World				
<i>[Handwritten mark]</i>	B10	418 014	3/20/91	Europe				

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f	C4	Engelmann et al., "A tumor necrosis factor-binding protein purified to homogeneity from human urine protects cells from tumor necrosis factor toxicity", J. Bio. Chem. 264:11974-11980 (1989)
f	C5	Hohmann et al., "Two different cell types have different major r cept rs f r human tumor necr sis factor (TNFa)", J. Bio. Chem. 264:14927-14934 (1989)
f	C6	Smith t al., "A receptor for tum r necrosis factor defines an unusual family of cellular and viral proteins", Scienc 248:1019-1023 (1990)
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2	C7	Heller et al., "Complementary DNA cloning of a receptor for tumor necrosis factor and demonstration of a shed form of the receptor", Proc. Natl. Acad. Sci. U.S.A. 87:6151-6155 (1990)
✓	C8	Novick et al., "Soluble cytokine receptors are present in normal human urine", J. Exp. Med. 170:1409-1414 (1989)
2	C9	Engelmann et al., "Two tumor necrosis factor-binding proteins purified from human urine", J. Bio. Chem. 265:1531-1536 (1990)

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EXAMINER	C10	Schall et al., "Molecular cloning and expression of a receptor for human tumor necrosis factor", Cell 61:361-370 (1990)
	C11	Seckinger et al., "Tumor necrosis factor inhibitor: purification, NH ₂ -terminal amino acid sequence and evidence for anti-inflammatory and immunomodulatory activities", Eur. J. Immunol. 20:1167-1174 (1990)
	C12	Hohmann et al., "Expression of the types A and B tumor necrosis factor (TNF) receptors is independently regulated, and both receptors mediate activation of the transcription factor NF- κ B", J. Biol. Chem. 265:22409-22414 (1990)

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C13	Espevik et al., "Characterization of binding and biological effects of monoclonal antibodies against a human tumor necrosis factor receptor", J. Exp. Med. 171:415-426 (1990)
C14	Porteu and Nathan, "Shedding of tumor necrosis factor receptors by activated human neutrophils", J. Exp. Med. 172:599-607 (1990)
C15	Engelmann et al., "Antibodies to a soluble form of a tumor necrosis factor (TNF) receptor have TNF-like activity", J. Bio. Chem. 265:14497-14504 (1990)

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C16	Seckinger et al., "Characterization of a tumor necrosis factor α (TNF- α) inhibitor: evidence of immunological cross-activity with the TNF receptor", Proc. Natl. Sci. USA 87:5188-5192 (1990)
C17	Gray et al., "Cloning of human tumor necrosis factor (TNF) receptor cDNA and expression of recombinant soluble TNF-binding protein", Proc. Natl. Sci. USA 87:7380-7384 (1990)
C18	Loetscher et al., "Molecular cloning and expression of the human 55 kd tum r necrosis fact r rec ptor", Cell 61:351-359 (1990)

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	C21	Capon et al., "Designing CD4 immunoadhesins for AIDS therapy", Nature 337:525-530 (Feb. 9, 1989).
	C22	Abstract 92-009794/02 (1992) for EP 464 533.

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/Zachary Howard/

08/02/2011